From the INTERNATIONAL SEARCHING AUTHORITY

To: PFIZER INC. Attn. Puller, Grover F. Jr. 201 Tabor Road UNITED STATES OF AMERICA

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND

THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION Morris Plains, New Jersey 07950 (PCT Rule 44.1) Date of mailing (day/month/year) 28/02/2005 Applicant's or agent's file reference FOR FURTHER ACTION See paragraphs 1 and 4 below PC25320A international application No. international filing date (day/montulyear) PCT/IB2004/003694 08/11/2004 PFIZER PRODUCTS INC.

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1.	x	The applicant is hereby notified that the international search report and the written opinion of the international Searching Authority have been established and are transmitted herewith.
		Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international Application (see Rute 46): When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the international Search Report; however, for more details, see the notes on the accompanying sheet.
		Where? Directly to the International Bureau of WIPO, 34 chemit des Colombettes 1211 Geneva 20, Switzerland, Fascimile No.: (41-22) 740, 14,35 For more detailed instructions, see the notes on the accompanying sheet.
2,		The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the international Searching Authority are transmitted herewith.
3.	Ш	With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
		the protest together with the decision thereon has been transmitted to the international Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices, no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the international Bureau as provided in Rules 90bts.1 and 90bts.3, respectively, before the completion of the technical preparations for international publication.

The applicant may submit comments on an informal basis on the written opinion of the international Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.

Within 19 menths from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months, from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the International Searching Authority Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL-2250 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Marilú Masserut Fax: (+31-70) 340-3016

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty, in case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

in these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be emended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international phylication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19; only the claims may be amended.

During the International phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the data of transmittal of the international search report or 16 months from the priority date, whichever time first expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the international Eureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Fluie 46.1).

Where not to file the amendments?

The amendments may only be filed with the international Bureau and not with the receiving Office or the International Searching Authority (Rule 45.2).

Where a demand for international preaminary examination has been its filed, see below.

How?

Either by earnselling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The latter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the latter must be in English; if the language of the international application is French, the letter must be in French.

Notes to Form PCT/(SA/220 (first sheet) (January 1994)

MEDICAL RAZZANCINAL

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled:
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples likustrate the manner in which amendments must be explained in the ecompanying letter:

- (Where originally there were 48 claims and after amendment of some claims there are 51):
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- (Where originally there were 15 claims and after amendment of all claims there are 11): "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. (Where originally there were 14 plains and the amendments consist in carcolling some claims and in adding new claims:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: *Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 18 and 17; new claims 20 and 21 added.*

"Statement under article 19(1)" (Rule 48.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the imaguage in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report of the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

if, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the international Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the daims as smended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's

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Notes to Form PCT/ISA/220 (second sheet) (January 1994)

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicants or agents file reterence	FOR FURTHER	see Form	PCT/ISA/220
PC25320A	ACTION:		pplicable, item 5 below.
International application No.	international filing date (day/mon	h/year) (Earliest) l	Priority Date (day/month/year)
PCT/IB2004/003694	08/11/2004		. 21/11/2003
Applicant	10, 22, 200		
PPIZER PRODUCTS INC.			
This International Search Report has bee according to Article 18. A copy is being to			ransmitted to the applicant
, -			
This International Search Report consists X It is also accompanied by	or a total or 5 sr a copy of each prior art document		
[A] It is also accompanies by	a cupy of again prof art document.	men in one report.	
1. Basis of the report			
 With regard to the language, the language in which it was filed, un 	international search was carried ou less otherwise indicated under this		mational application in the
The International this Authority (Ru		of a translation of the ir	ternational application furnished to
	otide and/or amino acid sequenc	disclosed in the interna	itional application, see Box No. I.
2. X Certain claims were fou	nd unsearchable (See Box II).		
3. Unity of invention is lac	king (see Box III).		
turnet "			
4. With regard to the title,	.b. motekan .d. ka		
the text is approved as au It is the text has been established.	iomitted by the applicant. Ined by this Authority to read as follo	4 É 1 M +	
THE USE OF ANTI BIOTIC			
			
5. With regard to the abstract,			
X the text is approved as su	ibmitted by the applicant.		
the text has been establic	shed, according to Rule 38.2(b), by	his Authority as it appea	us in Box No. IV. The applicant
may, within one month fro	om the date of mailing of this interne	tional search report, sub	omit comments to this Authority.
6. With regard to the drawings,			
a. the figure of the drawings to be p	xibilished with the abstract is Figure	No	
as suggested by	the applicant.		
 	the applicant. is Authority, because the applicant	alled to suggest a figure	i.
as selected by th			

Form PCT/ISA/210 (first sheet) (January 2004)

HATE ALL AL MARINE

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

ست وستجدت

Minimum documentation searched (classification system followed by classification symbols) IPC $\frac{7}{6}$ A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, CHEM ABS Data

X	STAR WINGS HER III	
	SATO YUKIO ET AL: "Adjuvant effect of a 14-member macrolide antibiotic on DNA vaccine" CELLULAR IMMUNOLOGY, vol. 197, no. 2, 1 November 1999 (1999-11-01), pages 145-150, XP002316892 ISSN: 0008-8749 the whole document	1-18
X	TOMASIC JELKA ET AL: "The effect of cefodizime and related compounds on humoral temune response in rabbits" ACTA PHARMACEUTICA (ZAGREB), vol. 44, no. 2, 1994, pages 109-116, XP008042733 ISSN: 0354-2971 the whole document	1-18

Further documents are listed in the continuation of box C.	X Patent tamily members are listed in annex.
*Special categories of cited documents: 'A' document defining the general state of the last which is not considered to be of particular relevance. 'E' earlier document but published on or after the international filing date. 'L' document which may throw doubts on priority clalin(s) or which is chec' to establish the publication date of another citation or other special reason (as specified). 'O' document referring to an oral disclosure, use, exhibition or other means. 'P' document published prior to the International filing date but later than the priority date clalined.	"I" saier document published after the international filing date or priority date and not in conflict with the application but died to understand the principle or theory underlying the invention. "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. "Y" document of particular relevance; the claimed threshlon cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person sidiled in the art. "A" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
11 February 2005	28/02/2005
Name and mailing address of the ISA	Authorized officer
European Patent Chica, P.B. 5818 Patentiaan 2 Nii. – 2280 HV Rijovijk Tet. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Rankin, R

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Category *	Chation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WOO PATRICK C Y ET AL: "Antibiotics modulate vaccine-induced humoral immune response" CLINICAL AND DIAGNOSTIC LABORATORY IMMUNOLOGY, vol. 6, no. 6, November 1999 (1999-11), pages 832-837, XP002316893 ISSN: 1071-412X the whole document	1-18
X	YANG-D ET AL: "Mammalian defensins in immunity: more than just microbicidal" TRENDS IN IMMUNOLOGY, ELSEVIER, CAMBRIDGE, 6B, vol. 23, no. 6, 1 June 2002 (2002-06-01), pages 291-296, XP004365772 ISSN: 1471-4906 the whole document	1,3,4, 14,17
A	CONFER A W ET AL: "Immunogenicity of recombinant Mannheimia haemolytica serotype 1 outer membrane protein PlpE and augmentation of a commercial vaccine" YACCINE, BUTTERWORTH SCIENTIFIC. GUILDFORD, GB, vol. 21, no. 21-22, 20 June 2003 (2003-06-20), pages 2821-2829, XP004429680 ISSN: 0264-410X abstract	1-18
A	WO 98/56802 A (PFIZER PRODUCTS INC; BRONK, BRIAN, SCOTT; LETAVIC, MICHAEL, ANTHONY; K) 17 December 1998 (1998-12-17) cited in the application claims	1-18
A	US 6 339 063 B1 (KROPP HELMUT ET AL) 15 January 2002 (2002-01-15) column 1, line 1 - column 2, line 56	1-18
	O (continuation of second sheet) (January 2004)	

Box 5	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This int	emational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
	Although claims 14-17 are directed to a method of treatment of the human or animal body, the search has been carried out and based on the alleged effects of the composition.
2.	Claims Nos.: because they relate to parts of the international Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
3	Claims Nos.; because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)
This Int	emational Searching Authority found multiple inventions in this international application, as follows:
	·
1.	As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable daims.
2 🗌	As all searchable claims could be searched without effort justifying an additional ise, this Authority did not invite payment of any additional (se.
3 🔲	As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the datms; it is covered by claims Nos.:
Remeri	c on Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search lees.
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Form PCT/ISA/210 (continuation of first sheet (2)) (January 2004)

ANDERSTORES STREET		Gale .		member(s)	date	
WO 9856802	A	17-12-1998	AP	1231 A		2003
			AT	251173 T	15-10-2	2003
			AU	749816 B		
			AU	7347598 A	, · · · · · · · · · · · · · · · · · · ·	
			BG	103945 A		
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			CA	2293823 A		
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			DE	69818665 T		
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			ES	2205487 T		
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			JP	3315704 B	32 19-08-2	2002
			JP	2000514098 T	24-10-2	2000
			JP	2002316933 A	31-10-2	2002
			LU	91076 A		
			MA	24564 A		
			NO	996106 A		
			NZ	500660 A		
			NZ	514871 A		
			OA	11224 A		
			PL	337505 A		
			PT	988310 T		
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			TW	472060 B		
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			ZA	9805017 A	17-12-1	999
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			ÄÜ	9305398 A		
			CA	2302010 A		
			EP	1011689 A		
			JP	2001515865 T		
			NZ	502861 A		
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